

Rajat Varma

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

5,689
citations

471509

17
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

4992
citing authors

#	ARTICLE	IF	CITATIONS
1	GPI-anchored proteins are organized in submicron domains at the cell surface. <i>Nature</i> , 1998, 394, 798-801.	27.8	1,153
2	Nanoscale Organization of Multiple GPI-Anchored Proteins in Living Cell Membranes. <i>Cell</i> , 2004, 116, 577-589.	28.9	805
3	T Cell Receptor-Proximal Signals Are Sustained in Peripheral Microclusters and Terminated in the Central Supramolecular Activation Cluster. <i>Immunity</i> , 2006, 25, 117-127.	14.3	777
4	Actin and agonist MHC-peptide complex-dependent T cell receptor microclusters as scaffolds for signaling. <i>Journal of Experimental Medicine</i> , 2005, 202, 1031-1036.	8.5	571
5	The Immunological Synapse Balances T Cell Receptor Signaling and Degradation. <i>Science</i> , 2003, 302, 1218-1222.	12.6	496
6	Calcineurin imposes T cell unresponsiveness through targeted proteolysis of signaling proteins. <i>Nature Immunology</i> , 2004, 5, 255-265.	14.5	489
7	Mechanisms for segregating T cell receptor and adhesion molecules during immunological synapse formation in Jurkat T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20296-20301.	7.1	348
8	Opposing Effects of PKC ζ and WASp on Symmetry Breaking and Relocation of the Immunological Synapse. <i>Cell</i> , 2007, 129, 773-785.	28.9	316
9	Peptide-MHC potency governs dynamic interactions between T cells and dendritic cells in lymph nodes. <i>Nature Immunology</i> , 2007, 8, 835-844.	14.5	197
10	Essential Role of Ubiquitin and TSG101 Protein in Formation and Function of the Central Supramolecular Activation Cluster. <i>Immunity</i> , 2010, 32, 531-540.	14.3	140
11	Kinetics of Early T Cell Receptor Signaling Regulate the Pathway of Lytic Granule Delivery to the Secretory Domain. <i>Immunity</i> , 2009, 31, 632-642.	14.3	111
12	T cell-dendritic cell immunological synapses. <i>Current Opinion in Immunology</i> , 2006, 18, 512-516.	5.5	100
13	Protein Kinase C ζ Regulates Stability of the Peripheral Adhesion Ring Junction and Contributes to the Sensitivity of Target Cell Lysis by CTL. <i>Journal of Immunology</i> , 2008, 181, 4815-4824.	0.8	61
14	Fluorescence Methods to Probe Nanometer-Scale Organization of Molecules in Living Cell Membranes. <i>Journal of Fluorescence</i> , 2001, 11, 211-226.	2.5	31
15	Immunological synapse: a multi-protein signalling cellular apparatus for controlling gene expression. <i>Immunology</i> , 2010, 129, 322-328.	4.4	29
16	A hierarchy of affinities between cytokine receptors and the common gamma chain leads to pathway cross-talk. <i>Science Signaling</i> , 2018, 11, .	3.6	25
17	TCR Triggering by the pMHC Complex: Valency, Affinity, and Dynamics. <i>Science Signaling</i> , 2008, 1, pe21.	3.6	20
18	A new fractionation assay, based on the size of formaldehyde-crosslinked, mildly sheared chromatin, delineates the chromatin structure at promoter regions. <i>Nucleic Acids Research</i> , 2010, 38, e124-e124.	14.5	11

#	ARTICLE	IF	CITATIONS
19	Cutting Edge: Quantitative Determination of CD40L Threshold for IL-12 and IL-23 Production from Dendritic Cells. <i>Journal of Immunology</i> , 2018, 201, 2879-2884.	0.8	9
20	Diffusion and Signaling Revisited. <i>Immunity</i> , 2009, 31, 452-454.	14.3	0